



# Economic and Social Council

Distr.: General  
30 August 2023

Original: English

---

## Economic Commission for Europe

Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

**191st session**

Geneva, 14–16 November 2023

Item 4.8.14 of the provisional agenda

**1958 Agreement:**

**Consideration of draft amendments to existing**

**UN Regulations submitted by GRSP**

### **Proposal for Supplement 5 to the 02 series of amendments to UN Regulation No. 100 (Electric power trained vehicles)**

**Submitted by the Working Party on Passive Safety \***

The text reproduced below was adopted by the Working Party on Passive Safety (GRSP) at its seventy-third session (ECE/TRANS/WP.29/GRSP/73 para. 28). It is based on ECE/TRANS/WP.29/GRSP/2023/23 as amended by annex VII to the report. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration at their November 2023 sessions.

---

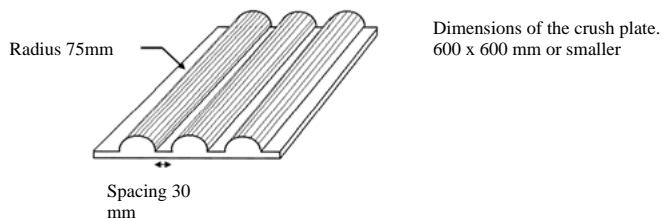
\* In accordance with the programme of work of the Inland Transport Committee for 2023 as outlined in proposed programme budget for 2023 (A/77/6 (Sect. 20), table 20.6), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.



Annex 8D, paragraphs 3.2.1., amend to read:

"3.2.1. Crush force

The tested-Device shall be crushed between a resistance and a crush plate as described in figure 1 with a force of at least 100 kN, but not exceeding 105 kN, unless otherwise specified in accordance with Paragraph 6.4.2 of this Regulation, with an onset time less than 3 minutes and a hold time of at least 100 ms but not exceeding 10s.



A higher crush force, a longer onset time, a longer hold time, or a combination of these, may be applied at the request of the manufacturer.

The application of the force shall be decided by the manufacturer together with the technical service having consideration to the direction of travel of the REESS relative to its installation in the vehicle. The application force being applied; (a) horizontally and in the direction of travel of the REESS, and (b) horizontally and perpendicular to the direction of travel of the REESS. For each of the test directions specified, a separate test-device may be used.

The test shall end with an observation period of 1 h at the ambient temperature conditions of the test environment."